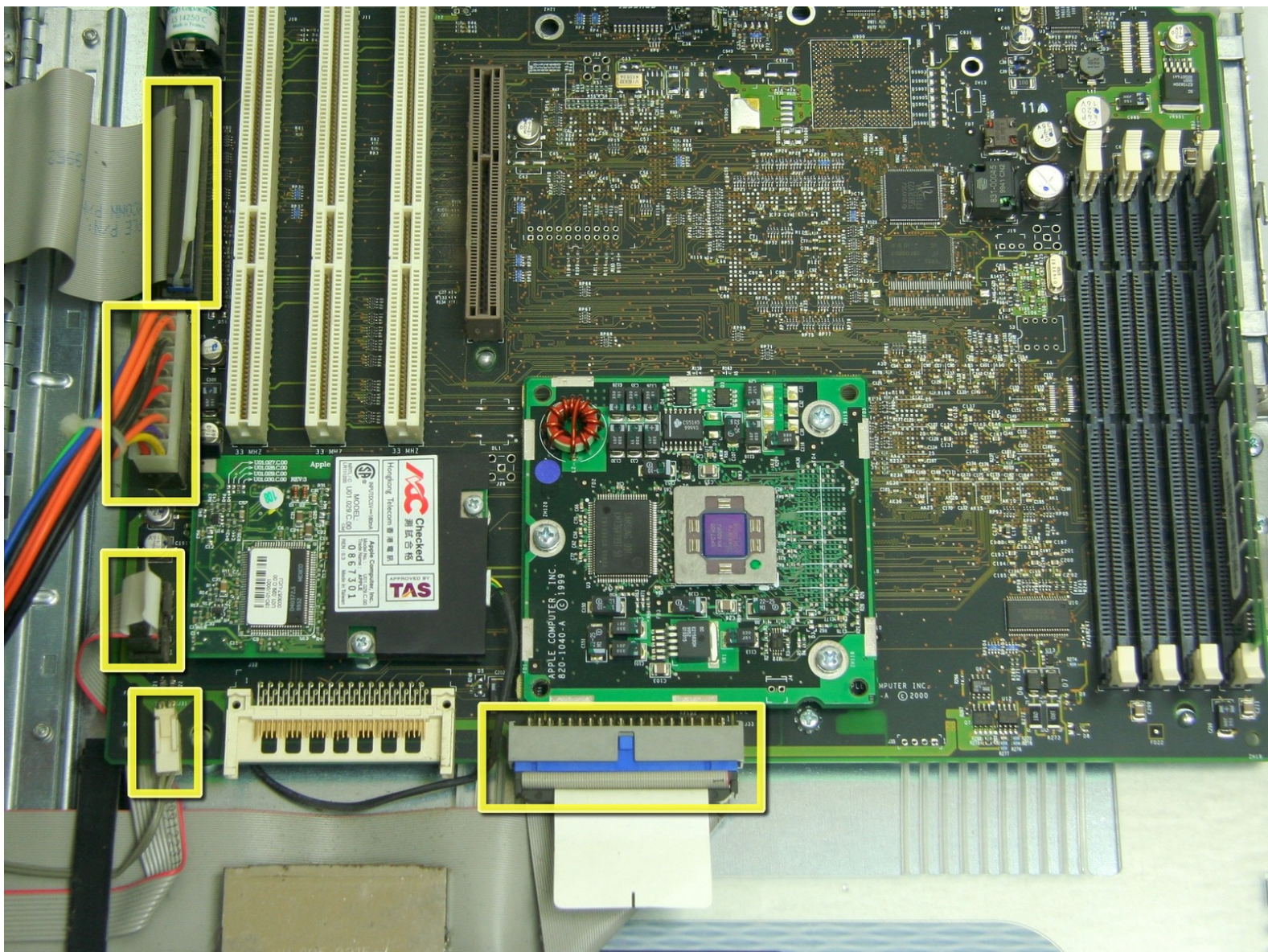




Power Mac G4 M5183 Logic Board Replacement

Written By: Justin Petrilli



INTRODUCTION

This guide will show you how to remove the PowerMac logic board.




TOOLS:

- [Phillips #1 Screwdriver](#) (1)
 - [Spudger](#) (1)
-

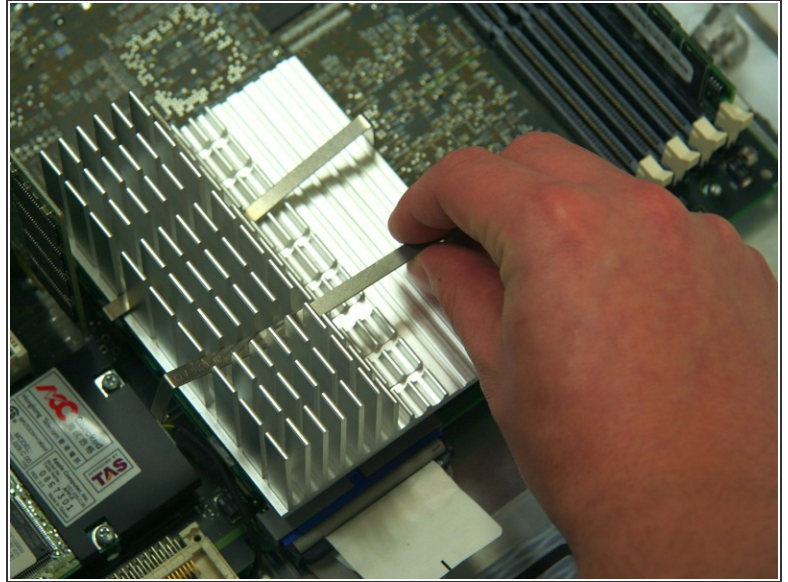
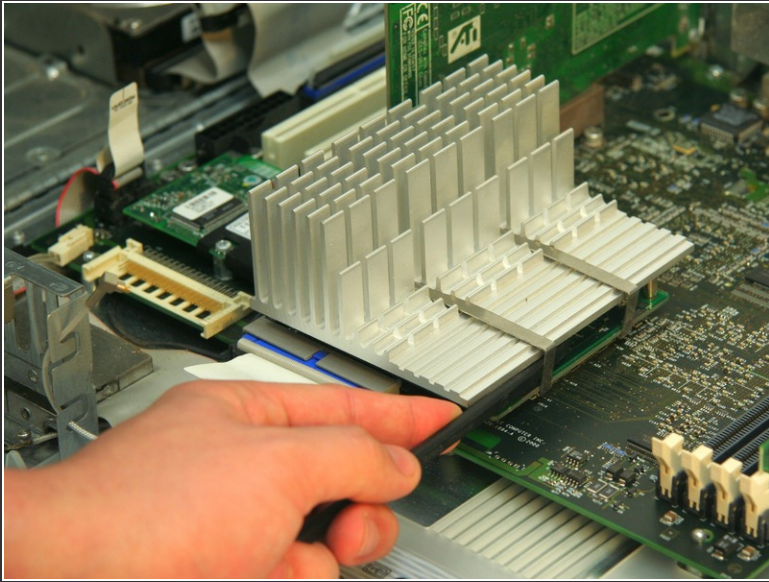
Step 1 — Opening PowerMac G4 M5183 Case



- Pull on outer latch.
- Lower door until it is level with your work surface.

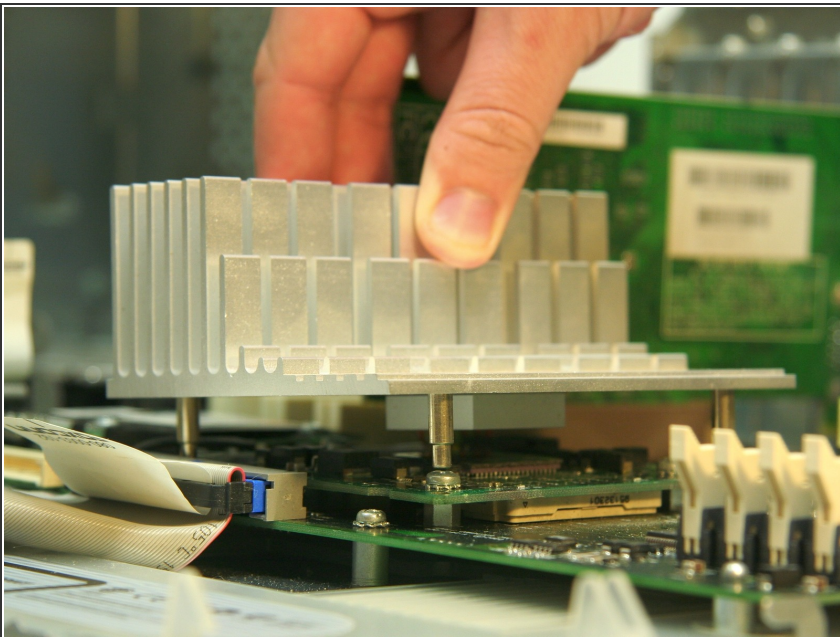
 Before working on the computer make sure it is not plugged into a power supply, then touch a metal object. This discharges static electricity, which could damage the computer.

Step 2 — Heat Sink



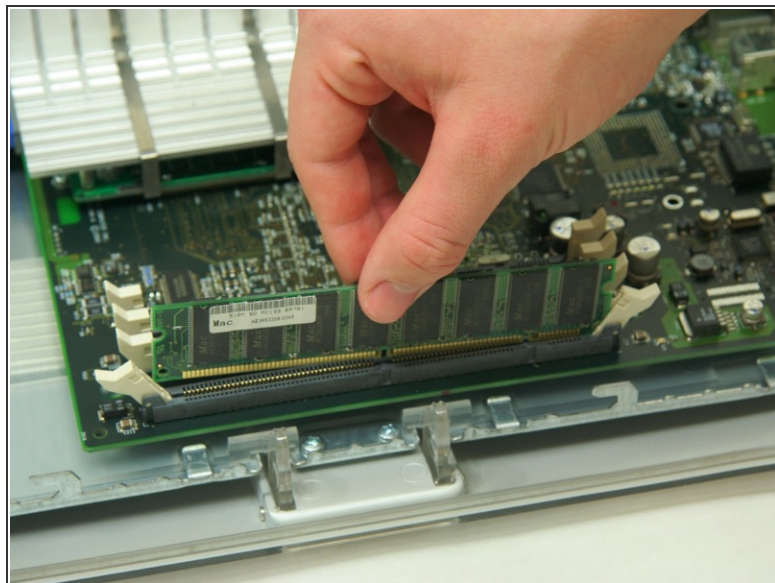
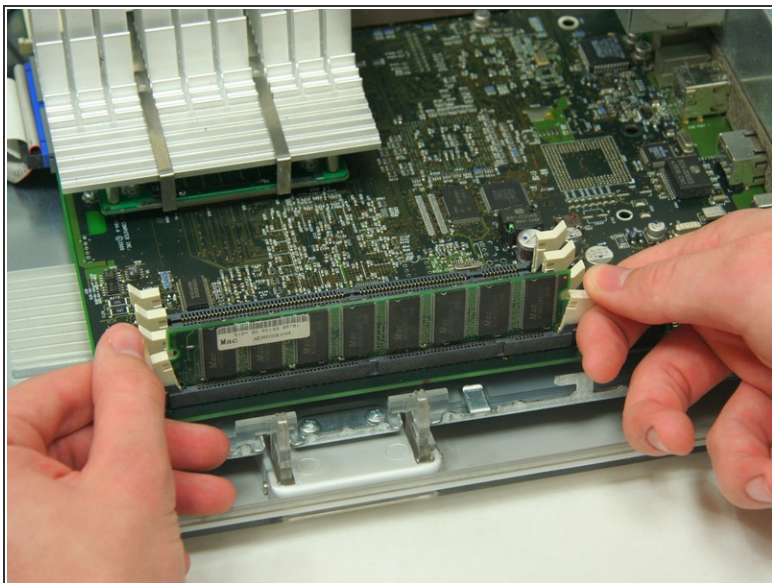
- Use the spudger to pry the clips horizontally off of the heat sink.
- Fully remove the clips by lifting upwards.

Step 3



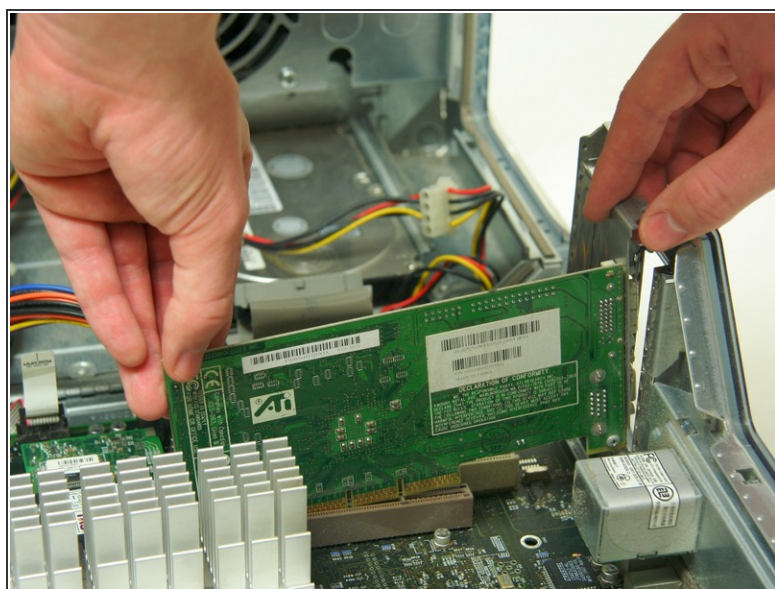
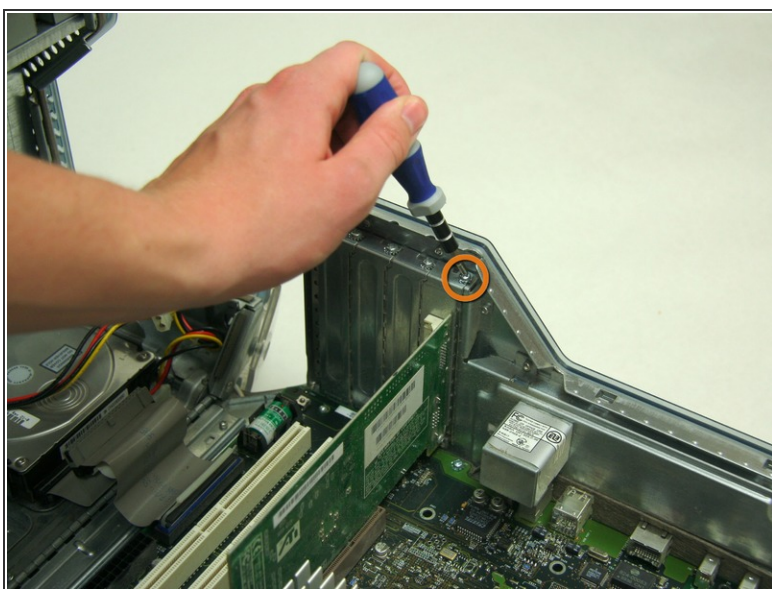
- Remove the heat sink by pulling upwards, off of the logic board.

Step 4 — RAM



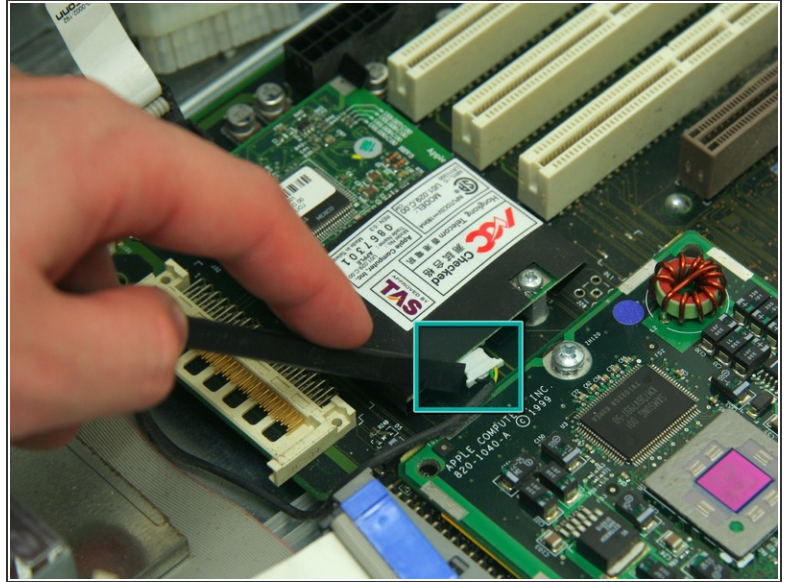
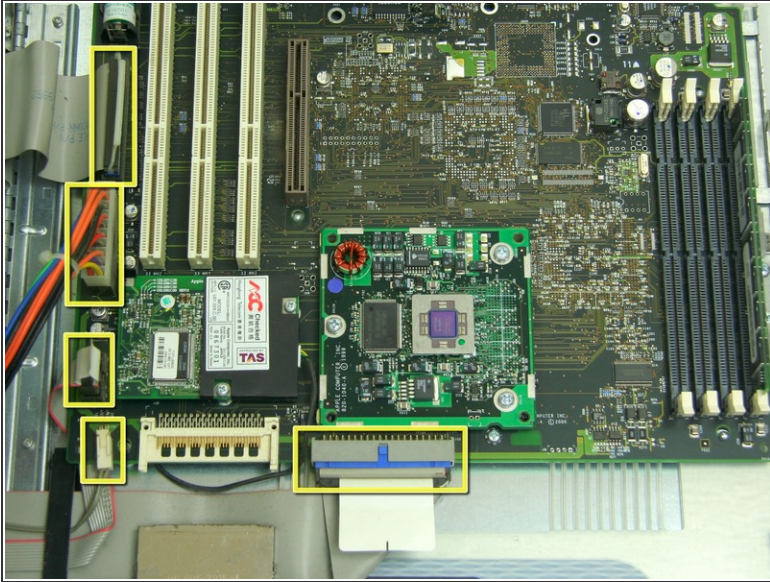
- Locate the RAM modules.
- Pull side tabs outward. The RAM will pop out of the housing.

Step 5 — Graphics Card



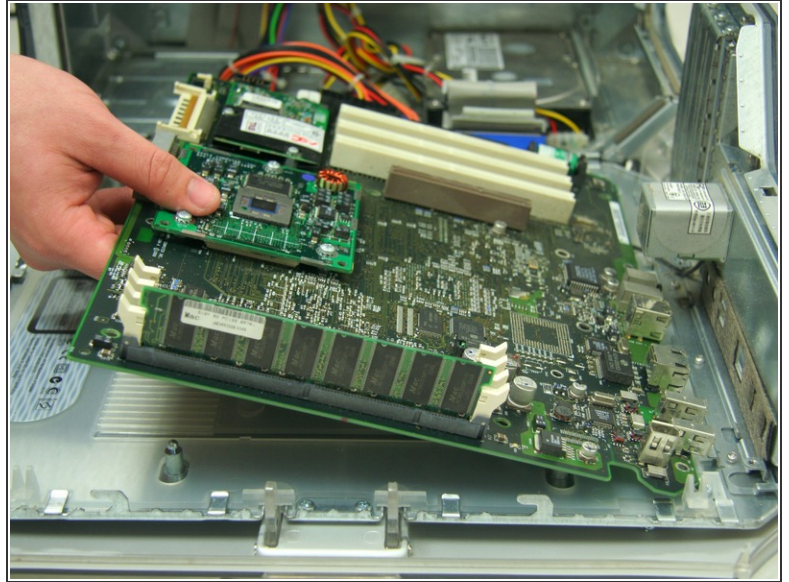
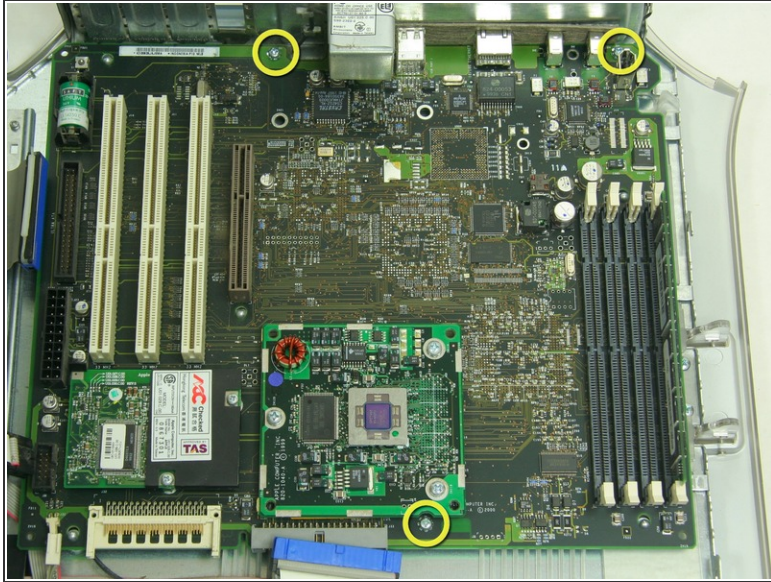
- Remove the single screw with the Phillips #1 screwdriver.
- Pull the graphics card up and out.

Step 6 — Logic Board



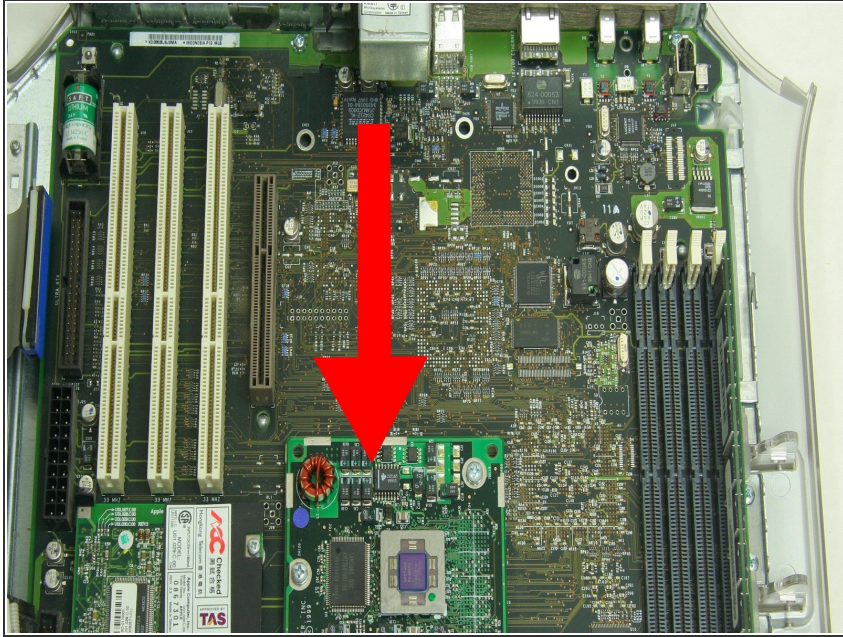
- Remove the six indicated cables attached to the logic board.
- Use the spudger to remove the modem cable as indicated.

Step 7



- Unfasten 3 Phillips screws revealed beneath the heat sink on the CPU board.
- Carefully remove the CPU board from the Mother Board.
- Remove the barrel nut screws from the Mother Board which held the CPU board.
- Unfasten 3 Phillips #1 screws on Mother Board as shown in illustration 1.
- Slide the logic board about a quarter of an inch to free it from the three retaining pins.
- Pull upwards and outwards to fully remove the logic board.

Step 8



- After removing the (3) #2 philips screws, remove the (4) 1/4" hex nuts, then slide as directed and remove board.

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